



PTO/SB/08A (04-07)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet 1 of 8

Complete if Known

Application Number	10/690,776
Filing Date	10/22/2003
First Named Inventor	Germain
Art Unit	2832
Examiner Name	Ramon M. Barrera
Attorney Docket Number	1640-6

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 2005/0063110	03-24-2005	DiSalvo et al.	
		US- 2006/0139132	06-29-2006	Porter et al.	
		US- 6,813,126	11-02-2004	DiSalvo et al.	
		US- 6,437,953	08-20-2002	DiSalvo et al.	
		US- 6,246,558	06-12-2001	DiSalvo et al.	
		US- 6,437,700	08-20-2002	Herzfeld et al.	
		US- 7,049,911	05-23-2006	Germain et al.	
		US- 5,847,913	12-08-1998	Turner et al.	
		US- 4,013,929	03-22-1977	Dietz et al.	
		US- 6,437,953	08-20-2002	DiSalvo et al.	
		US- 6,437,700	08-20-2002	Herzfeld et al.	
		US- 5,594,398	01-14-1997	Marcou et al.	
		US- 5,600,524	02-04-1997	Neiger et al.	
		US- 5,694,280	12-02-1997	Zhou	
		US- 5,847,913	12-08-1998	Turner et al.	
		US- 5,933,063	08-03-1999	Keung et al.	
		US- 7,049,911	05-23-2006	Germain et al.	
		US- 4,034,266	07-05-1977	Virani et al.	
		US- 4,442,470	04-10-1984	Misencik	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		ES 21345	05-17-1977	Giordini		
		UK 227,930	01-26-1925	Hammer		
		UK 2,292,491	02-21-1996	Horton		
		JP 61-259428	11-17-1986	Yabunaka		
		GB 830018	09-03-1960	Gerrard		
		GB 2207823	08-02-1989	Jack		

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Sheet **2**of **8****Complete if Known**

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		US- 4,595,894	06-17-1986	Doyle et al.	
		US- 4,630,015	12-16-1986	Gernhardt et al.	
		US- 4,719,437	01-12-1988	Yun	
		US- 4,802,052	01-31-1989	Brant et al.	
		US- 4,851,951	07-25-1989	Foster, Jr.	
		US- 4,979,070	12-18-1990	Bodkin	
		US- 5,185,687	02-09-1993	Beihoff et al.	
		US- 5,223,810	06-29-1993	Van Haaren	
		US- 5,224,006	06-29-1993	MacKenzie et al.	
		US- 5,363,269	11-08-1994	McDonald	
		US- 5,477,412	12-19-1995	Neiger et al.	
		US- 5,510,760	04-23-1996	Marcou et al.	
		US- 5,541,800	07-30-1996	Misencik	
		US- 5,594,398	01-14-1997	Marcou et al.	
		US- 5,600,524	02-04-1997	Neiger et al.	
		US- 5,694,280	12-02-1997	Zhou	
		US- 5,706,155	01-06-1998	Neiger et al.	
		US- 5,729,417	03-17-1998	Neiger et al.	
		US- 5,805,397	09-08-1998	MacKenzie	

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		DE 34 31 581	11-28-1991	Lauerer		
		EP 081,661	06-22-1983	Lauerer		
		DE 28 21 138	11-30-1978	Giardini		
		FR 2391549	12-15-1978	Elettrocondutture S.P.A.		
		PCT/US99/19319(WO0011696)	03-2000	Ziegler et al.		
		PCT/US00/2295(WO0045366)	03-2001	Ashby		

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		US- 6,040,967	03-21-2000	DiSalvo	
		US- 6,052,265	04-18-2000	Zaretsky et al.	
		US- 6,226,161	05-01-2001	Neiger et al.	
		US- 6,246,558	06-12-2001	DiSalvo et al.	
		US- 6,252,407	06-26-2001	Gershen	
		US- 6,437,953	08-20-2002	DiSalvo et al.	
		US- 6,590,753	07-08-2003	Finlay	
		US- 6,864,766	03-08-2005	DiSalvo et al.	
		US- 4,159,499	06-26-1979	Bereskin	
		US- 4,212,193	10-25-1983	Bienwald	
		US- 5,202,662	04-13-1993	Bienwald	
		US- 4,109,226	08-22-1978	Bowling	
		US- 6,021,034	02-01-2000	Chan	
		US- 5,917,686	06-29-1999	Chan	
		US- 5,815,363	09-29-1998	Chu	
		US- 5,517,165	09-29-1998	Cook	
		US- 5,515,218	05-07-1996	DeHaven	
		US- 3,949,336	04-06-1976	Dietz	

FOREIGN PATENT DOCUMENTS

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		PCT/US01/32562(WO0233720)	04-2002	DiSalvo et al.		

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		US- 3,813,579	05-28-1974	Doyle	
		US- 3,864,649	02-04-1975	Doyle	
		US- 4,386,338	05-31-1983	Doyle	
		US- 4,518,945	05-07-1985	Doyle	
		US- 4,578,732	03-25-1986	Draper	
		US- 4,814,641	03-21-1989	Dufresne	
		US- 4,631,624	12-23-1986	Dvorak	
		US- 5,239,438	08-24-1993	Echtler	
		US- 4,574,260	03-04-1986	Franks	
		US- 5,680,287	10-21-1997	Gernhardt	
		US- 5,654,857	05-05-1997	Gershen	
		US- 4,587,588	05-06-1986	Goldstein	
		US- 4,114,123	09-12-1978	Grenier	
		US- 4,002,951	01-11-1977	Halbeck	
		US- 4,316,230	02-16-1982	Hansen	
		US- 5,844,765	12-01-1998	Kato	
		US- 4,901,183	02-13-1990	Lee	
		US- 4,567,456	01-28-1986	Legatti	
		US- 5,229,730	07-20-1993	Legatti	

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		US- 6,381,113	04-30-2002	Legatti	
		US- 4,377,837	03-22-1983	Matsko	
		US- 5,418,678	05-23-1995	McDonald	
		US- 4,409,574	10-11-1983	Misencik	
		US- 4,521,824	06-04-1985	Morris	
		US- 4,967,308	10-30-1990	Morse	
		US- 5,448,443	09-05-1995	Muelleman	
		US- 5,715,125	02-03-1998	Neiger	
		US- 6,180,899	01-30-2001	Passow	
		US- 5,148,344	09-15-1992	Rao	
		US- 4,538,040	08-27-1985	Ronemus	
		US- 5,655,648	08-12-1997	Rosen	
		US- 5,144,516	09-01-1992	Sham	
		US- 3,766,434	10-16-1973	Sherman	
		US- 5,825,602	10-20-1998	Tosaka	
		US- 4,051,544	09-27-1977	Vibert	
		US- 4,010,431	03-01-1977	Virani	
		US- 4,412,193	10-25-1983	Bienwald et al.	
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		US- 3,309,571	03-14-1967	Gilker	
		US- 3,538,477	11-03-1970	Walters et al.	
		US- 3,702,418	11-07-1972	Obenhaus	
		US- 3,872,354	03-18-1975	Nestor et al.	
		US- 4,034,360	07-05-1977	Schweitzer Jr.	
		US- 4,063,299	12-13-1977	Munroe	
		US- 4,223,365	09-16-1980	Moran	
		US- 4,949,070	08-14-1990	Wetzel	
		US- 5,661,623	08-26-1997	McDonald et al.	
		US- 5,943,198	08-24-1999	Hirsh et al.	
		US- 5,956,218	09-21-1999	Berthold	
		US- 4,010,432	03-01-1977	Klein	
		US- 4,163,882	08-07-1979	Baslow	
		US- 4,194,231	03-18-1980	Klein	
		US- 4,288,768	09-08-1981	Arnold et al.	
		US- 4,568,899	02-04-1986	May	
		US- 4,641,216	02-03-1987	Morris et al.	
		US- 4,641,217	02-03-1987	Morris et al.	
		US- 4,686,600	08-11-1987	Morris et al.	

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		US- 5,179,491	01-12-1993	Runyan	
		US- 5,281,331	06-08-1993	Morris	
		US- 5,293,522	05-08-1994	Fello	
		US- 5,576,580	11-19-1996	Hosoda et al.	
		US- 5,710,399	01-20-1998	Castonguay et al.	
		US- 5,877,925	03-02-1999	Singer	
		US- 5,920,451	07-06-1999	Fasano et al.	
		US- 6,204,743	03-20-2001	Greenberg et al.	
		US- 6,232,857	05-15-2001	Mason, Jr. et al.	
		US- 6,242,993	06-05-2001	Fleege et al.	
		US- 6,255,923	07-03-2001	Mason, Jr. et al.	
		US- 6,259,340	07-10-2001	Fuhr et al.	
		US- 6,545,574	04-08-2003	Seymour et al.	
		US- 6,657,834	12-02-2003	DiSalvo	
		US- 5,555,150	09-10-1996	Newman, Jr.	
		US- 5,617,284	04-01-1997	Paradise	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

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Sheet 8

of 8

Complete if Known

Application Number	10/690,776
Filing Date	October 22, 2003
First Named Inventor	Germain
Art Unit	2832
Examiner Name	Ramon M. Barrera
Attorney Docket Number	1640-6

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,625,285	04-29-1997	Virgilio	
		US- 5,637,000	06-10-1997	Osterbrock et al.	
		US- 5,875,087	02-23-1999	Spencer et al.	
		US- 5,963,408	10-05-1999	Neiger et al.	
		US- 6,282,070	08-28-2001	Ziegler et al.	
		US- 6,288,882	09-11-2001	DiSalvo et al.	
		US- 6,309,248	10-30-2001	King	
		US- 6,381,112	04-30-2002	DiSalvo	
		US- D462,660	09-10-2002	Huang et al.	
		US- 6,646,838	11-11-2003	Ziegler et al.	
		US- 6,671,145	12-30-2003	Germain et al.	
		US-			
		US-			
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